



NCDOT Prioritization 3.0 Project Summary

SPOT ID: H141856

Mode: Highway

Status: Submitted

NC-112 (Sardis Road)

From/Cross Street: NC 191 (Brevard Road)

Specific Improvement Type: 1 - Widen Existing Roadway

To: SR 3412 (Sand Hill Road)

Project Category: Regional Impact

Length: 2.05

TIP#:

Fully Funded in Draft STIP? No

Cost to NCDOT: \$11,929,000

Description:

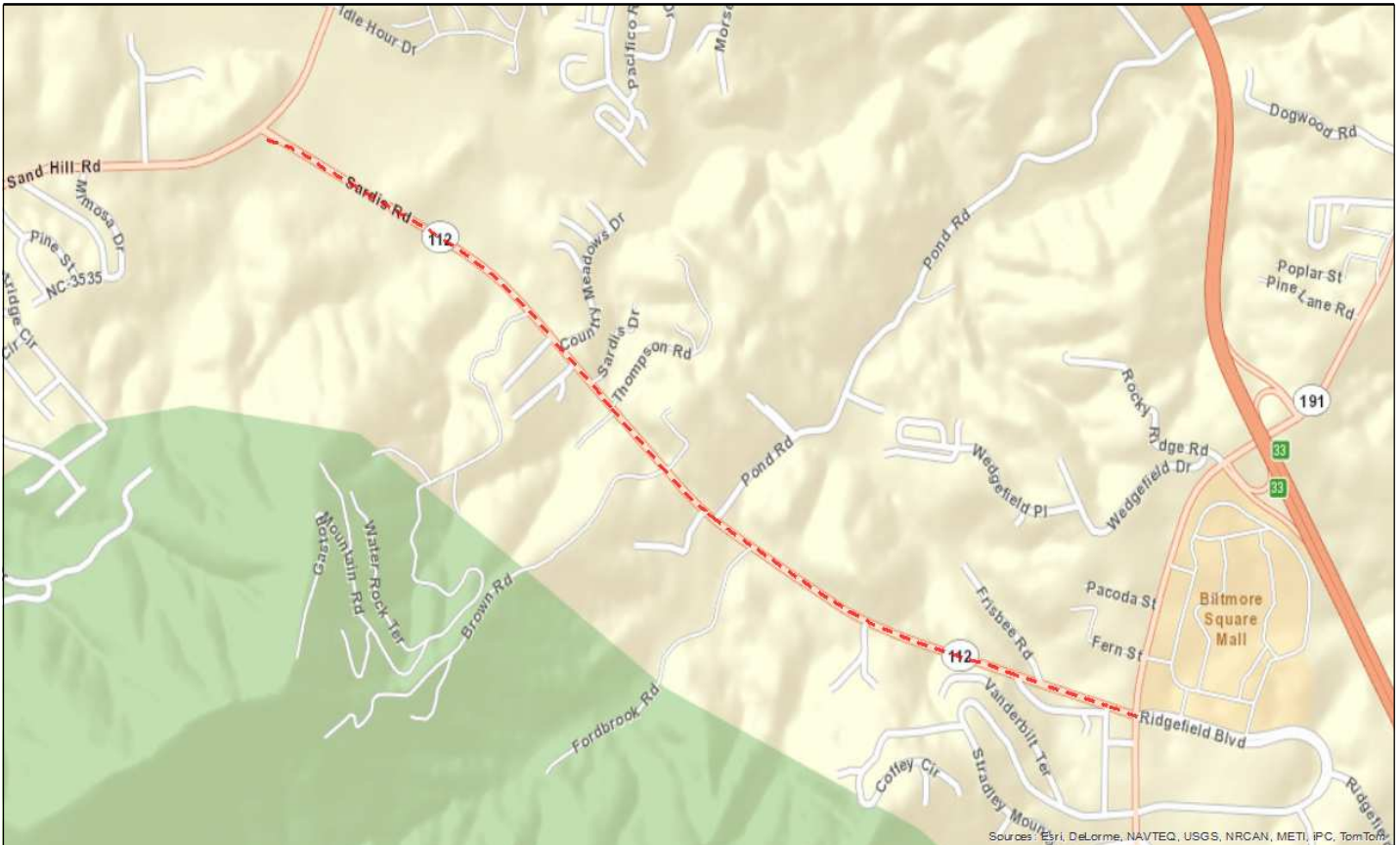
Widen to add capacity and improve safety.

Division(s): Division 13

County(s): BUNCOMBE

MPOS(s)/RPO(s): French Broad River MPO

Project Location



Statewide Mobility Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Totals: Weight: 0% Weighted Score: 0	N/A	N/A

Regional Impact Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (25%) 48.15 Safety (10%) 61.18 [Travel Time] Benefit/Cost (25%) 0.77 Accessibility / Connectivity (10%) 3.82	Percent: 15% Points:	Percent: 15% Points:
Totals: Weight: 70% Weighted Score: 18.73		

Division Needs Total Score: 0

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 48.15 Safety (10%) 61.18 [Travel Time] Benefit/Cost (20%) 0.77	Percent: 25% Points:	Percent: 25% Points:
Totals: Weight: 50% Weighted Score: 15.9		

Project Data ***Existing Conditions**

Existing Cross-Section:	
Speed Limit:	45
Length (miles):	2.05
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	0
Roadway has Curb & Gutter?	No
Volume (AADT):	11471.82
Capacity:	15800.06
Volume/Capacity Ratio:	0.73
% Autos:	94%
% Trucks:	6%
Truck Volume:	634.71
Crash Density:	69.36
Crash Severity:	53.04
Critical Crash Rate:	61.16
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	3
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	20
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	93
Actual Congested Speed:	0
Travel Time Index:	

Project Benefits

Project Cross-Section:	3C - 2 Lane with Two Way Left Turn Lane, Curb & Gutter, Bike Lanes, and Sidewalks
Speed Limit:	45
Length (miles):	2.05
Facility Type:	Arterial
Access Control:	None
Functional Classification:	Minor Collector
Terrain Type:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	4
Travel Time Savings for 30 Years (Total):	406705.01
Travel Time Savings for 30 Years (Autos):	384203.1
Travel Time Savings for 30 Years (Trucks):	22501.91
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	Yes
CTP/LRTP Name:	FBRMPO CTP and Rural Buncombe County CTP
CTP/LRTP Completion Year:	2007
Submitted by:	Division 13

* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT Online tool and associated databases.

Project Ownership**Division**

Division	Percent	Regional Impact	Division Needs
Division 13	100%	0	0
	0%	0	0
	0%	0	0
TOTAL Division Points		0	0

MPO/RPO

MPO/RPO	Percent	Regional Impact	Division Needs
French Broad River MPO	100%	0	0
	0%	0	0
	0%	0	0
TOTAL MPO/RPO Points		0	0

Project Cost and Source

Construction Cost:	\$11,604,000	Cost Estimation Tool
Right-of-Way Cost:	\$290,000	Cost Estimation Tool
Utilities Cost:	\$35,000	Cost Estimation Tool
Total Project Cost:	\$11,929,000	
Other Funding:	\$0	None
Cost to NCDOT :	\$11,929,000	